

WHAT IS CLAIMED IS:

1. An on-vehicle video camera comprising:

imaging means which converts image light into an electrical imaging signal to output the imaging signal as a video signal in a predetermined format;

light emitting means for lighting an imaging area of said imaging means; and

control means for controlling the imaging operation of said imaging means and the lighting operation of said light emitting means so as to be operably synchronized with each other.

2. An on-vehicle video camera according to Claim 1, wherein said light emitting means includes means for emitting infrared light in a predetermined band, and said imaging means does not filter out an infrared signal component in the predetermined band which is contained in the imaging signal.

3. An on-vehicle video camera according to Claim 1, wherein said control means causes said light emitting means to emit light during the imaging operation of said imaging means when said control means detects that a vehicle light has been turned on.

4. An on-vehicle video camera according to Claim 1, wherein said control means determines illuminance of the surroundings of a vehicle, and causes said light emitting means to emit light during the imaging operation of said imaging means according to the determined illuminance.

5. An on-vehicle video camera according to Claim 1, wherein said imaging means and said light emitting means are included in a housing which forms an outside mirror of a vehicle.

6. An on-vehicle video camera according to Claim 5, wherein said control means causes said imaging means to perform the imaging operation when said control means detects a predetermined operation of a turn signal of the vehicle.